

## AFFINITY SHOPPING PORTAL

This application claims the benefit of U.S. Provisional Patent Application No. 60/221,397 filed July 28, 2000.

### Background of the Invention

**[0001]** The present invention relates to the art of Internet commerce. It finds particular application in conjunction with a shopping portal and business model for generating contributions to charitable, non-profit, and other affinity groups or organizations, and will be described with particular reference thereto. However, it is to be appreciated that the present invention is also amenable to other like applications.

**[0002]** Internet commerce, or e-commerce as it is otherwise known, relates to the buying and selling of goods and services over the Internet. The convenience of shopping over the Internet has sparked considerable interest in e-commerce on behalf of both consumers and merchants. For merchants desiring to increase sales, it would be advantageous to have high levels of Internet traffic from interested consumers. Toward this end, merchants with a presence on the Internet will often pay fees in an effort to attract consumers to their web-site. Often, these fees are advertising fees and/or referral commissions, otherwise known as "click-through fees."

**[0003]** Typically, advertising fees refer to those fees paid by the merchant to another web-site owner for providing space on the latter's web-site to display the merchant's "banner ads." The banner ads are used to advertise the merchant's web-site and/or goods. In addition to advertising the merchant's web-site and/or goods, the banner ads will often provide a hyper-link directing the consumer to the merchant's web-site. Another type of fee often paid by merchants is the click-through fee. The click-through fee can be likened to a commission that is paid to a web-site owner when a consumer referred to the merchant's web-site makes a purchase. The consumer is considered referred to the merchant's web-site when they hyper-link or are otherwise directed there from or through a web-site owner's web-page, typically, by an object or link on the web-site owner's web-page. For example, a "click-through fee" referral

system is described in U.S. Patent No. 6,029,141 to Bezos, et al., incorporated herein by reference.

**[0004]** Often, consumers are members or supporters of non-profit organizations, fraternal organizations, charities, unions, school alumni, associations, or other like affinity groups. Many of these affinity groups rely on and/or appreciate donations, gifts, or other financial support to carry out their mission. Moreover, depending on the affinity group, donations made thereto may be tax deductible with respect to the donor. Accordingly, it would be advantageous if consumers could financially support their desired affinity group or groups while maintaining a record thereof so that, e.g., any available tax deductions could be obtained, or so that the contributions could be recognized in some manner, or so that the donor may simply reflect and take pleasure in the charitable contributions he has generated, etc. Moreover, it is desirable that the consumers not be overburdened in this pursuit so that participation by the consumers is maximized and in turn financial support for the affinity groups is maximized. Therefore, the foregoing goal is best achieved when the consumers' participation is made relatively easy such as when the consumers' participation amounts to doing that which they would already do anyway, e.g., by shopping for needed or desired goods or services on the Internet.

**[0005]** Accordingly, the present invention contemplates a new and improved affinity shopping portal which achieves the above-referenced goals and others.

### **Summary of the Invention**

**[0006]** An object of the present invention is to provide, maintain and/or administer an Internet shopping portal for the mutual benefit of merchants, affinity groups and consumers.

**[0007]** In accordance with one aspect of the present invention, a method of administering a commercial transaction carried out over a communications network used for shopping is provided. The method includes receiving a shopper at a first web-site maintained on the communications network. The shopper has an affinity group associated therewith. The method further includes forwarding the shopper to a second web-site maintained on the communications network, and obtaining a generated click-through fee related thereto. A portion of the obtained click-through fee is distributed to

the affinity group associated with the shopper, and it is communicated to the shopper how much was distributed.

**[0008]** In accordance with another aspect of the present invention, a method of conducting commercial transactions on a communications network to raise funds for affinity groups includes receiving shoppers at a first web-site on the communications network. Each shopper is associated with one of a plurality of affinity groups. The method further includes forwarding each shopper to a selected one of a plurality of second web-sites maintained on the communications network, and obtaining generated click-through fees related thereto. On behalf of each shopper, a portion of each obtained click-through fee is distributed to the respective affinity group associated with that shopper; and it is communicating to each shopper how much was distributed to their associated affinity group on their behalf.

**[0009]** In accordance with still another aspect of the present invention, a shopping portal is provided that includes: mean for maintaining a presence on a communications network such that shoppers employing the communications network can be received; means for identifying received shoppers; means for forwarding shoppers to selected shopping sites maintained on the communications network; means for monitoring forwarded shoppers' activities at the shopping sites to which they are forwarded; means for obtaining click-through fees based upon the monitored activities of shoppers at the shopping sites to which they were forwarded; means for distributing a portion of each obtained click-through fee to an affinity group associated with the shopper responsible for generating the click-through fee; and, means for reporting to shoppers an amount distributed to their associated affinity groups by the distributing means.

**[0010]** One advantage of the present invention is on-line merchants receive Internet traffic from interested consumers.

**[0011]** Another advantage of the present invention is affinity groups receive financial support.

**[0012]** Yet another advantage of the present invention is that consumers maintain records of donations to their chosen affinity groups such that any available tax deductions can be readily obtained.

**[0013]** Still further advantages and benefits of the present invention will become apparent to those of ordinary skill in the art upon reading and understanding the following detailed description of the preferred embodiments.

#### **Brief Description of the Drawing(s)**

**[0014]** The invention may take form in various components and arrangements of components, and in various steps and arrangements of steps. The drawings are only for purposes of illustrating preferred embodiments and are not to be construed as limiting the invention.

**[0015]** FIGURE 1 is a diagrammatic illustration of a network employed in connection with aspects of the present invention.

**[0016]** FIGURE 2 is a diagrammatic illustration showing a shopping experience using an Internet portal in accordance with aspects of the present invention.

**[0017]** FIGURE 3 is a screen shot of an exemplary affinity group shopping site or web-page in accordance with aspects of the present invention.

**[0018]** FIGURE 4 is a diagrammatic illustration showing a periodic settlement and reporting process carried out in accordance with aspects of the present invention.

**[0019]** FIGURE 5 is a diagrammatic illustration showing a customized shopping portal creation protocol in accordance with aspects of the present invention.

#### **Detailed Description of the Preferred Embodiment(s)**

**[0020]** With reference to FIGURE 1, in a preferred embodiment, a coordinator **10**, acting as a shopping portal, maintains a presence on the Internet **20** or other like on-line network via a server **12**. A merchant **30** also maintains a presence on the Internet **20** via a server **32**. Likewise, an affinity group **40** maintains a presence on the Internet **20** via a server **42**. A consumer **50** gains access to the affinity group **30** and/or the coordinator **10** over the Internet **20** using a computer **52** with an appropriate web browser or other like software running thereon. The consumer **50** is optionally an individual, a business, a manufacturer, or any other customer or entity which purchases goods and/or services.

**[0021]** Of course, the shopping portal is preferably administered to multiple similarly situated merchants **30**, affinity groups **40**, and consumers **50**. However, in the

interest of simplicity herein, only one of each are shown in FIGURE 1. Moreover, it is to be appreciated that security is optionally maintained by encrypting, with known encryption techniques, communications relayed or otherwise transmitted over the Internet **20**. Alternately or in conjunction with the foregoing, other known security measures may be employed.

**[0022]** In a preferred embodiment, the coordinator **10** also maintains a database **14** wherein records or information is stored regarding those merchants **30**, affinity groups **40**, and consumers **50** to which the shopping portal is administered. For each entity (i.e., merchant, affinity group, or consumer), the records preferably include one or more of the following: name; address; identifying information, such as a user name or the like; security information, such as a password or the like; account information; etc. Alternately, separate interfaced databases are maintained for each entity type.

**[0023]** With further reference to FIGURE 2, the consumer **50** accesses the affinity group **40** over the Internet **20** at the latter's web-site which is administer via the affinity group's server **42**. Alternately, the coordinator **10** administers the affinity group's web-site for them via the coordinator's server **12**. In any event, the affinity group's home page **100** or other designated web-page is called up by the consumer **50** or it is otherwise provided thereto by the affinity group **40**. Preferably, the home page **100** includes a hyper-link **102** thereon that directs the consumer **50** to the coordinator **10**. When the consumer **50** visiting the affinity group's web-site wishes to shop, he or she "clicks-on" or otherwise activates the hyper-link **102**. Preferably, the hyper-link **102** references its purpose by appearing on the home page **100** as, e.g., the phase "SHOPPING LINKS" or other such suggestive phases and/or indicia.

**[0024]** As stated, upon activation of the hyper-link **102**, the consumer **50** is directed to the coordinator **10**. Optionally, the consumer **50** may choose to access the coordinator **10** directly. Initially, the coordinator **10** provides a "login" page **200** to the consumer **50**. Via the login page **200**, if the consumer **50** has already signed up or registered with the coordinator **10**, he may log in and/or identify himself by entering a user name and password or other identifying information. The entered identifying information is preferably verified against the records maintained in the database **14**. Otherwise, if the consumer **50** has not previously signed up or registered with the coordinator, he may do so via the login page **200** such that a new record is created for

him in the database **14**. The consumer **50** signs up with the coordinator **10** by supplying the coordinator **10** with the information used to create the new record. Preferably, the record includes one or more of the following: the consumer's name, the consumer's identifying information (e.g., user name, password, etc.), the consumer's electronic mail (e-mail) address, the consumer's home and/or work addresses, the consumer's home and/or work phone numbers, the consumer's social security number, and other like personal information.

**[0025]** After logging in, the affinity group's shopping site or web-page **300** is called up by the consumer **50** or it is otherwise provided thereto by the coordinator **10** which preferably maintains and/or administers the same on the affinity group's behalf. See FIGURE 3 for an exemplary screen shot of an affinity group shopping site or web-page **300**. In a preferred embodiment, the coordinator **10** similarly maintains and/or administers a plurality of shopping sites or web pages for a corresponding plurality of affinity groups **40**. With respect to a consumer **50** which arrived by way of a particular affinity group's home page **100**, the consumer **50** is automatically direct to that same affinity group's shopping site or web-page **300**. Alternately, the consumer **50** may select the shopping site or web-page **300** he wishes to visit or access. In particular, the consumer selection route is used when the consumer **50** did not arrive via a particular affinity group's home page **100**, e.g., where the coordinator **10** was accessed directly. The consumer **50** may also directly access the affinity group's shopping site or web-page **300** which may optionally include the log in function and/or the sign up or registration function. In the case where the affinity group's shopping site or web-page **300** includes the log in function and/or the sign up or registration function, the consumer **50** activating hyper-link **102** may optionally be directly routed thereto without first stopping at the login page **200**.

**[0026]** In any event, once logged in and identified, the consumer's activities are monitored so that ultimately click-through fees generated by the consumer's activities can be tracked and associated with the consumer **50** and the affinity group **40** through which the consumer **50** is shopping.

**[0027]** Preferably, each shopping site or web-page **300** is individually styled and/or designed for its associated affinity group, and each contains one or more hyper-links which direct the consumer **50** activating a selected hyper-link to a corresponding

contracting merchant **30**. The hyper-links on the affinity group's shopping site or web-page **300** are preferably organized so that they may be easily located by a consumer **50** accessing the same. For example, they may be organized alphabetically under the merchants' names, or by categories of goods and/or services offer by the merchants, or some combination thereof, etc. Optionally, the style or manner of organization may be selected by the consumer **50** from a plurality of defined organizational schemes. Additionally, a search engine is optionally provided to locate particular contracting merchants **30** and/or text of interest.

**[0028]** In a preferred embodiment, the contracting merchants **30** are registered with the coordinator **10** and have negotiated with the coordinator **10** or individual affinity groups **40** to have hyper-links to their online web-sites included in selected ones or in all the affinity group shopping sites or web-pages **300** maintained and/or administered by the coordinator **10**. In return, the contracting merchants **30** have agreed to pay click-through fees for directing consumers **50** to them. The click-through fees are optionally calculated as a flat fee for each referral, a flat fee for each referral which makes a purchase, a percentage of each referral's purchases, or an otherwise determined amount. Records regarding registered merchants **30** are preferably maintained in the coordinator's database **14**. The merchant records preferably include one or more of the following pieces of information: identification information (e.g., type of merchant, type of goods and/or services sold, a designated user name or ID, physical address, e-mail address, web address or Universal Resource Locator (URL) address, merchant's name, corporate name and/or tax ID, etc.); security information, such a secret password; click-through fee information, such as the negotiated or agreed upon click-through fee rate or amount; financial account information, such as financial account numbers from which click-through fees are to be paid; etc.

**[0029]** The affinity groups **40** are also registered with the coordinator **10** and have negotiated with the coordinator **10** to have their online shopping sites or web-pages **300** maintained and/or administered by the coordinator **10**. In return, the affinity groups **40** have agreed to share derived or generated click-through fees with the coordinator **10**. Records regarding registered affinity groups **40** are preferably maintained in the coordinator's database **14**. The affinity group records preferably include one or more of the following pieces of information: identification information

(e.g., type of affinity group, a designated user name or ID, physical address, e-mail address, web address or URL address, affinity group name, corporate name and/or tax ID, etc.); security information, such as a secret password; share information, such as the negotiate or agreed upon share of the click-through fee to be had by the affinity group **40** and the coordinator **10**; financial account information, such as financial account numbers to which the affinity group's share of click-through fees are to be posted; etc.

**[0030]** When a consumer **50** activates one of the hyper-links on an affinity group's shopping site or web-page **300**, they are directed to the corresponding merchant **30** where they may call up or are otherwise provided access to the merchant's shopping site or web-page **400**. Thereafter, in the usual manner, the consumer **50** is free to shop online from the merchant's shopping site or web-page **400**. The consumer's shopping activities are monitored and records thereof are maintained in the coordinator's database **14**. The shopping activity records are preferably correlated with the records of identified registered consumers **50** already in the database. The shopping activity records preferably include one or more of the following pieces of information: identification information regarding the consumer **50**; identification information regarding the merchant **30** where the shopping took place; identification information regarding the affinity group **40** or the affinity group's shopping site or web-page **300** through which the consumer **50** arrived at the merchant's shopping site or web-page **400**; sales information regarding the purchases made (e.g., item(s) purchased, quantity, purchase price, etc.); the time and/or date of the purchases made; etc.

**[0031]** With further reference to FIGURE 4, the coordinator **10** periodically collects or otherwise receives payment for the click-through fees from the contracting merchants **30** in accordance with the agreed upon terms. This may be done in a variety of manners as are known in the art, e.g., via electronic funds transfer, traditional settlement techniques, etc. Payments for the click-through fees may be verified against and/or correlated with shopping records maintained in the coordinator's database **14**.

**[0032]** The coordinator **10** preferably retains a percentage, a flat fee or rate, or an otherwise determined share of the click-through fees as payment to cover the overhead and/or services rendered by the coordinator **10**. What remains of the click-



through fees is distributed to the affinity groups **40** in accordance with terms agreed upon between the coordinator **10** and the affinity groups **40**. Preferably, each affinity group **40** receives an agreed upon amount (flat fee, percentage, or otherwise) for each click-through fee resulting from a consumer referral associated with their particular affinity group shopping site or web-page **300**. Having been correlated with their respective records in the database **14**, each amount distributed to the affinity groups **40** can be, and are preferably, designated as being from the specific consumer **50** responsible for generating the affinity group's share of each click-through fee. Accordingly, the affinity groups **40** can recognize each supporter's contribution as they see fit, e.g., via a letter of thanks to the supporter, an annual award for achieving a threshold level of support, etc.

**[0033]** A consumer **50** that is not registered with the coordinator **10** may still be referred to a contracting merchant **30** through one of the affinity group shopping sites or web-pages **300**. In this case, click-through fees may still be generated. Such click-through fees that result in a distribution to one of the affinity groups **40** is optionally designated as being from "anonymous."

**[0034]** In a preferred embodiment, periodically (preferably monthly, quarterly, or yearly), the coordinator **10** compiles information from the database **14** into reports which are forwarded to each registered consumer **50**. The reports are optionally forwarded to their respective consumers **50** via e-mail, regular U.S. mail, or otherwise. The reports give a detailed summary of each consumer's shopping activities for the given period and communicate the amount of financial support or donations that were generated by each consumer **50** for respective affinity groups **40** due to their shopping activities. That is to say, each report communicates to its respective consumer **50** the amount or share of click-through fees received by each of the affinity groups **40** that are attributable to that consumer **50** for the given period.

**[0035]** In this manner then, the coordinator **10** acts as a shopping portal for the mutual benefit of merchants **30**, affinity groups **40**, and consumers **50**. That is to say, merchants **30** attract Internet traffic to their online shopping sites or web-pages **400**, while affinity groups **40** receive financial support through the sharing of the click-through fees. Consumers **50** also receive the benefits of supporting their selected affinity groups **40** with their support being tracked and reported back to them and the

affinity groups **40** so that appropriate recognition may be received, consumers **50** may reflect on and/or take pride in their support, tax benefits may be realized if available, or other desired actions may be taken based thereon. Moreover, transaction volume is maximized insomuch as the consumer **50** is encouraged to participate. That is to say, the consumer **50** is only doing that which he or she would be already doing otherwise, i.e., shopping online.

**[0036]** In addition, by having the coordinator **10** maintain and/or administer the affinity groups' shopping sites or web-pages **300**, the affinity groups are free to devote more of their efforts, network and/or computer resources, online resources, web-page space, etc. toward their core objectives, be it charity work or otherwise. The coordinator **10** is also able to pool the bargaining power of multiple affinity groups **40** (with an arguably larger consumer base than individually) when negotiating terms with merchants **30**. In turn, the merchants **30** benefit from the larger consumer base shopping through the portal.

**[0037]** Another aspect of the present invention is that it allows the affinity group **40** to design and build their own shopping portal with little to no technical expertise. This is achieved by a representative of the affinity group **40** connecting to the coordinator's web site and utilizing an application that allows for the instant creation of a customized shopping portal. Through a series of questions and answers or otherwise, the desired data is collected and used to dynamically create a program that provides for the customized shopping portal. In a preferred embodiment, the application optionally allows the affinity group **40** to build additional services into their web site, such as, a calender, news items, etc. This helps to further build community strength and support of the affinity group **40**.

**[0038]** With reference to FIGURE 5, a customized shopping portal creation protocol **500** is shown. An affinity group **40** or a representative **510** thereof (as shown) contacts the coordinator **10** over the Internet **20** and accesses a portal creation application **512** supported on the coordinator's server **12**. Preferably, the representative **510** logs in to application **512** by entering a username and password or other like authentication data. Via a series of prompts and/or web pages provided to the representative **510**, the application **512** collects data used to create a customized shopping portal for the affinity group **40**. In a preferred embodiment as shown, a first

series of prompts or web page **520** is used to collect general information about the affinity group, e.g., name, contact information, etc. A second series of prompts or web page **530** is used to collect a chosen theme template that will dictate the physical layout of the portal. Optionally, the representative **510** will chose from a number of defined templates or will be able to selectively arrange the order and/or size of a number of different regions which will contain the particular content of the representative's choosing. The theme may also be used to define the fonts and other like characteristics of the created portal. A third series or prompts or web page **540** is used to collect a chosen color scheme that will dictate the colors used in the layout of the portal. Optionally, the representative **510** will choose from a number of defined color pallets or will be able to selectively choose specific colors for designated regions. A final series of prompts of web page **550** allows the representative **510** to optionally upload any logos, trademarks, etc. that he desires to have included in the customized shopping portal.

**[0039]** Once all the information has been collected, the application **512** generates the customized portal **560**. The portal **560** is essential a web site, and it may optionally reside on the affinity group's own server **42** or the coordinator's server **12**. Similarly, the web site **300** may be supported on either server. In any event, the portal **560** is assigned a unique identification number or other like data element so that the coordinator **10** may track purchases made by consumers **50** linking to merchants **30** through the portal **560**. In this manner, a designated portion of the collected click-through fee may be associated with the affinity group **40** on whose behalf the portal **560** was created and maintained.

**[0040]** The invention has been described with reference to the preferred embodiments. Obviously, modifications and alterations will occur to others upon reading and understanding the preceding detailed description. It is intended that the invention be construed as including all such modifications and alterations insofar as they come within the scope of the appended claims or the equivalents thereof.